

ABSTRACT

The present invention provides a flexible weighing device, which can be folded and/or rolled into any shape. It comprises at least one measuring cell that induces an electrical signal proportional to its deformation. From the overall weight applied to the weighing device, the overall signal is computed and then displayed. The assembly is made flexible through the use of either a single flexible measuring cell or a multiplicity of measuring cells held together through flexible connectors. The flexible weighing device may also yield instantaneously the position and weight of moving objects.